(സി) ടെയിനിംഗ് പാസാവാത്തതിനാൽ ഈ കൊല്ലം പ്രസ്തുത സ്കൂളിൽ നിയമിച്ചിരുന്ന ഒരു അദ്ധ്യാപികയെ ൭ മാസം ജോലി ചെയ്തതിനുശേഷം ഒഴിവാക്കീട്ടില്ലെ ;

(ഡി) തൽസ്ഥാനത്തു് ടെയിനിംഗ് കഴിഞ്ഞ കൊട്ടങ്ങല്ലൂർകാരിയായ ഒരു സ്ത്രീയെ നിയമിക്കുവാൻ ഡിപ്പാട്ടുമെണ്ടിൽ നിന്നു കല്പന അയച്ചിട്ടില്ലെ ;

(ഇ) ആ സ്ത്രീ കിഴത്താണി നായർ സമാജം സ്കൂളിൽ ജോലിക്കു അപേക്ഷകയായിരുന്നില്ലെ ;

(എഫ്) ഇപ്പോൾ ആ സ്കൂളിൽ ആകെ എത്ര ക്ലാസ്സും, എത്ര മാസ്റ്റർമാരും എത്ര കുട്ടികളുമുണ്ടു് ?

റാവു സാഹിബ് ഐ. എൻ. മേനോൻ :

(എ) 8. ഇതിനും പുറമെ കിഴപ്പിള്ളിക്കര സ്കൂളിൽ നിന്നു ൨ സ്പെഷലിസ്റ്റ്മാരും അവിടെ ജോലിചെയ്യുന്നുണ്ടു്.

(ബി) ടെയിനിംഗ് കഴിച്ചവർ ൨, ടെയിനിംഗ് കഴിക്കുവാൻ പോയിട്ടുള്ളവർ ൧.

(സി) ഉവ്വു്.

(ഡി) ഇല്ല.

(ഇ) ഉത്തരം ആവശ്യമില്ല.

(എഫ്) വെള്ളാനി സ്കൂൾ.—ആകെ ക്ലാസ്സുകൾ ൫. അദ്ധ്യാപകന്മാർ ൫ കിഴപ്പിള്ളിക്കര സ്കൂളിൽനിന്നു ൨ സ്പെഷലിസ്റ്റ്മാരും ഇവിടെ വന്നു ജോലിചെയ്യുന്നുണ്ടു്. ആകെ കുട്ടികൾ ൧൭൨.

RELIEF MEASURES—FLOODS IN KARUVANNUR RIVER

294. Mr. Puthur Achyuta Menon *(Kattur):* Will Government be pleased to state.—

(*a*) whether there was not a report submitted after the flood of 1099 regarding the relief measures to be taken to prevent abnormal floods in the Karuvannur river;

(*b*) whether all the suggestions contained in the report have been worked out;

(*c*) if all are not worked out, will Government be pleased to state what are the suggestions still to be worked out;

(*d*) whether in the light of the flood of 1115, Government have any new suggestion to make regarding the steps to be taken to prevent floods in Karuvannur river hereafter?

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Mr. V. K. Aravindaksha Menon *(Chief Engineer):*

(*a*), (*b*) and (*c*) A report was submitted to Government regarding the measures to be taken for minimising the adverse effect of floods.

The works proposed were :—

(1) Constructing the Moorkanad canal.
(2) Improvements to the Chirakkal thodu.
(3) Improving the canal to the new bridge.
(4) Widening the Moorkanad canal.
(5) Improvements to the Pazhuvil thodu and reconstructing the bridge with a large ventway.
(6) Opening a canal to the east of Chirakkal bridge.
(7) Widening the Moorkanad canal to its designed capacity.
(8) Marathakkara diversion of the Manali river.

Of these, items 1, 2, 3, 5 and 6 have been carried out and as regards the Marathakara diversion it has been decided that the question of taking up the work could be considered only after watching the effects of the newly opened Inchamudi canal.

(*d*) No.

Mr. Puthur Achyuta Menon *(Kattur):* May I know, Sir, when items Nos. 1, 2, 3, 5 and 6 were carried out?

Mr. V. K. Aravindaksha Menon *(Chief Engineer):* The construction of the Moorkanad canal was in 1107; improvement to the Chirakkal *thodu* was in 1108. Item No. 3, *i.e.*, improving the canal to the new bridge, was carried out in the same year. Item No. 5 was done in 1110 or so.

Mr. Puthur Achyuta Menon *(Kattur):* After the construction of these 5 works, were there havocs of floods afterwards?

Mr. V. K. Aravindaksha Menon *(Chief Engineer):* There have been no adverse effects due to floods from the year 1107 excepting in 1115.

Mr. Puthur Achyuta Menon *(Kattur):* Do Government feel that there was great havoc in 1115?

Mr. V. K. Aravindaksha Menon *(Chief Engineer):* Yes. The havoc caused by floods in 1115 was in fact not due to the height

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of floods. It was due to the time when the flood occurred. It is a very rare occurrence to have floods in the Karuvannur river in the month of August and such a thing was almost unheard of. The last time we had floods there was in 1921 and then also in 1106. So the time when high floods occurred in that river during the month of August should be considered as occurring once in 10 years. That is an unusual occurrence.

Mr. Puthur Achyuta Menon *(Kattur):* Will Government be pleased to enquire into the matter so as to prevent floods hereafter, because it is proved that with all these schemes floods cnnnot be prevented?

Mr. V. K. Aravindaksha Menon *(Chief Engineer):* They have been prevented considerably. Before the execution of these schemes, there used to be breaches in the Karuvannur river especially on the northern bund every alternate year. There were floods which devastated the whole land—Oorakam fields—in 1096, 1099, 1101, 1104 and 1106. Almost every alternate year there used to be breaches on the northern bund, and the damage to crops were excessive. After 1107, there have been no floods at all which breached the northern bund of the Karuvannur river up till now. But there was some damage to crops on account of the untimely occurrence of floods last year. The floods occurring in August is a very rare occurrence.

Mr. Puthur Achyuta Menon *(Kattur):* Is it not that during all these years when floods took place, it is the bund lying close to the river that used to break?

Mr. V. K. Aravindaksha Menon *(Chief Engineer):* I cannot categorically answer that question. It always depends upon the height of the bund. The bund used to break when water used to overtop the bund.

Mr. Puthur Achyuta Menon *(Kattur):* Will you please enquire into the matter and take necessary steps with a view to put a stop to these havocs caused by the floods?

Mr. V. K. Aravindaksha Menon *(Chief Engineer):* I have been making enquiries during the last 12 years. If necessary, we can conduct one more enquiry. I request the hon'ble member also to come with me to inspect these bunds, if it is possible. I will fix the time when we can go and inspect.

Mr. A. B. Salem *(Mattancheri):* When was the Inchamudi canal opened?

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Mr. V. K. Aravindaksha Menon *(Chief Engineer):* It was opened some 6 years ago.

Mr. A. B. Salem *(Mattancheri):* What have been the effects that were noticed?

Mr. V. K. Aravindaksha Menon *(Chief Engineer):* The main effect of the Inchamudi canal was to increase the capacity of the river itself. It depresses the surface slope of the floods and the river was made to take more water for the same height of floods.

Mr. A. L. Antony *(Irinjalakkuda):* When will the Government carry out items Nos. 4, 7 and 8 in the list?

Mr. V. K. Aravindaksha Menon *(Chief Engineer):* As regards the Moorkanad canal there have been some representations against widening the canal. I am looking into that question.

Mr. A. L. Antony *(Irinjalakkuda):* Is it still under consideration?

Mr. V. K. Aravindaksha Menon *(Chief Engineer):* Yes.

BRIDGES—CONSTRUCTION OF

295. Mr. C. V. Iyyu *(Kunnamkulam):* Will Government be pleased to state the steps taken by them in the proposals for the construction of the following bridges in view of the assurances given by them in reply to cut motions (Public Works) (*i*) No. 18 (Bridge connecting Kunnamkulam and Mangad), (*ii*) No. 21 (Bridge connecting Anjur and Kattakampal at Cheruvallikadavu) and (*iii*) No. 22 (Culvert No. 14 near the Vilangan Hill in the Trichur-Kunnamkulam Road) on 27th July 1940 (last Budget Session)?

Mr. V. K. Aravindaksha Menon *(Chief Engineer):* As regards items (*i*) and (*ii*), details regarding the traffic statistics at the places have been called for from the Assistant Engineer. Item (*iii*) could not be taken up this year due to other pressing works of reconstruction of culverts requiring precedence.

ROAD WORKS—USE OF THE CATERPILLAR MACHINE

296. മിസ്റ്റർ സി. കഞ്ഞൻ നമ്പൂതിരിപ്പാട്: ദയവുചെയ്ത ഗവൺമെണ്ടിൽ നിന്നും താഴെ പറയുന്ന ചോദ്യങ്ങൾക്ക മറുപടി പറയുമോ.—

(എ) കൊച്ചീരാജ്യത്തെ കാറ്റർപില്ലർ മിഷ്യൻ ഉപയോഗിച്ചു സംരക്ഷിച്ചുവരുന്ന റോഡുകളുടെ ആകെയുള്ള ദൂരം എത്ര;

(ബി) കൊല്ലത്തിൽ സാധാരണയായി എത്ര നാഴിക ദൂരം ഈ മിഷ്യൻ പ്രവൃത്തിച്ചുവരുന്നുണ്ട്;

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